ISSN 0281-9864

Moral Rights and Freedom of Expression

Bernhard Bierschenk

2020 No. 153

Copenhagen University
Denmark

KOGNITIONSVETENSKAPLIG
FORSKNING

Cognitive Science Research

Lund University
Sweden

ISSN 0281-9864

Moral Rights and Freedom of Expression

Bernhard Bierschenk

2020 No. 153

Cognitive Science Research
Lund University
University of Copenhagen

Editorial board

Bernhard Bierschenk (editor), Lund University
Inger Bierschenk (co-editor), University of Copenhagen
Ole Elstrup Rasmussen, University of Copenhagen
Helge Helmersson (adm. editor), Lund University
Jørgen Aage Jensen, Danish University of Education

Cognitive Science Research

Copenhagen Competence
Research Center
University of Copenhagen
Njalsgade 88
DK-2300 Copenhagen S
Denmark

Adm. editor

Helge Helmersson
Dep. of Business Adm.
Lund University
P.O. Box 7080
S-220 07 Lund
Sweden

Kognitionsvetenskaplig forskning – Cognitive Science Research, ISSN 0281-9864, 2020, 153
Copenhagen University, Denmark & Lund University, Sweden

Moral Rights and Freedom of Expression

Bernhard Bierschenk

Abstract The present discussion is meant to serve the explanation of significant novelties, resulting from a search through the text of the human rights preamble. Through the explicit functional relation of termini of its states, state attractions have been shown to have the capacity to enhance the fundamental relationship between the themes and the motifs incorporated into the preamble. It follows that their common causal determination can be treated as the efficient definition of accountability and consequently transitional fitness. Fundamental to accountability is the provision that an attractor takes into account the deeply ingrained structural cores of the underlying pattern relations. Each attractor is resonating at its own thematic state. Furthermore, the attractor is building up its own unique thematic development. Further, an autonomous treatment of attractors allows for the processing of sophisticated modifications. Besides transitional fitness differences, the identified singularities work towards unification which is shown to converge on the global state attractors of the dimensions of Intention and Orientation, respectively. The structurally important aspects of the associated information has been captured through the concept of 'Formation' for the most significant attractor of the Intention dimension and the concept of 'Forbearance' for the most significant attractor of the Orientation dimension.

Within the framework of the United Nations (UN), a functional commission was set up in 1946 as a forum for the promotion of human rights. After the Second World War, people joined in an effort to create a treaty for their protection and against such terrible abuse of power that happened during the 1930s and 40s. The World War II led, as outlined by Weller (2017, May 08), to the establishment of human rights laws (1948, December 10). The preamble of the UN has the following wording:

whereas recognition of the inherent dignity and of the equal and inalienable rights of all members of the human family is the foundation of freedom, justice and peace in the world,

whereas disregard and contempt for human rights have resulted in barbarous acts which have outraged the conscience of mankind, and the advent of a world in which human beings shall enjoy freedom of speech and belief and freedom from fear and want has been proclaimed as the highest aspiration of the common people,

whereas it is essential, if man is not to be compelled to have recourse, as a last resort, to rebellion against tyranny and oppression, that human rights should be protected by the rule of law,

whereas it is essential to promote the development of friendly relations between nations,

whereas the peoples of the United Nations have in the Charter reaffirmed their faith in fundamental human rights, in the dignity and worth of the human person and in the equal rights of men and women and have determined to promote social progress and better standards of life in larger freedom, whereas Member States have pledged themselves to achieve, in co-operation with the United Nations, the promotion of universal respect for and observance of human rights and fundamental freedoms,

whereas a common understanding of these rights and freedoms is of the greatest importance for the full realization of this pledge,

Now, Therefore THE GENERAL ASSEMBLY proclaims THIS UNIVERSAL DECLARATION OF HUMAN RIGHTS as a common standard of achievement for all peoples and all nations, to the end that every individual and every organ of society, keeping this Declaration constantly in mind, shall strive by teaching and education to promote respect for these rights and freedoms and by progressive measures, national and international, to secure their universal and effective recognition and observance, both among the peoples of Member States themselves and among the peoples of territories under their jurisdiction.

Time-Dependent Development of Textual Energy Flows

The methodological approach towards the involutes and convolutes of energy curves, contained in the preamble, has become possible with the development of a method which has come to be known as “Perspective Text Analysis, version VERTEX” (I. Bierschenk, & B. Bierschenk, 2011). This method is grounded in the Agent-action-Objective [AaO] paradigm, which offers a basis for the depiction of mentally produced invariants. Thereby, it has been possible to demonstrate that the derived [AaO] systems carry a document’s intention and cues on orientation. As a result, the main hypothesis has been founded on the assumption that bio-kinetic energy consumption is at the psychological level establishing changes through the processing of bio-kinematic transformations. For the unfolded energy landscapes, the generated measures will be shown below in Figure 1.

Based on string-theoretical approaches, textual string patterns have been made manifest in previous studies (B. Bierschenk, 2011). Through the working of the [AaO] mechanism, captured grapheme sequences have been shown to reflect exactness and precision in the study of spinning strings and string-rotation has emerged as valid concept for the generation of observable magnitudes. The production of space relations means approaching and utilising the intrinsic co-ordinates of the underlying mechanisms. The theoretical significance of the “space” concept (Wheeler, 1998, p. 139) is demonstrated based on the “mirror”-strategy, which Greene (1999, p. 278) proposed for the splitting of a space into sub-spaces.

The alpha and beta variable pairs of the [AaO] unit have been split with the purpose to launch the space of the ‘textual agents’ as well as the space of the ‘textual objectives’. Crucial for the processing of their radians is speed and acceleration as well as the observations on the entangled variables. Their transition states are governing changes in their gliding. This means that the edges of articulation are determinable through the functions of spacing and timing that give expression to thermodynamic flow processes.

The unfolded spaces of Figure 1 have to be read from the right, which means that the course and representation of a trajectory is shown reversed. Moreover, their radians are representing the lasting record of successive states. It follows that the course of a trajectory on the growth path is generating increasing rotational distances. At present, the focus is on the specificity of the variables in the graphs rather than on trying to obtain crystallised arrangements of the variables.

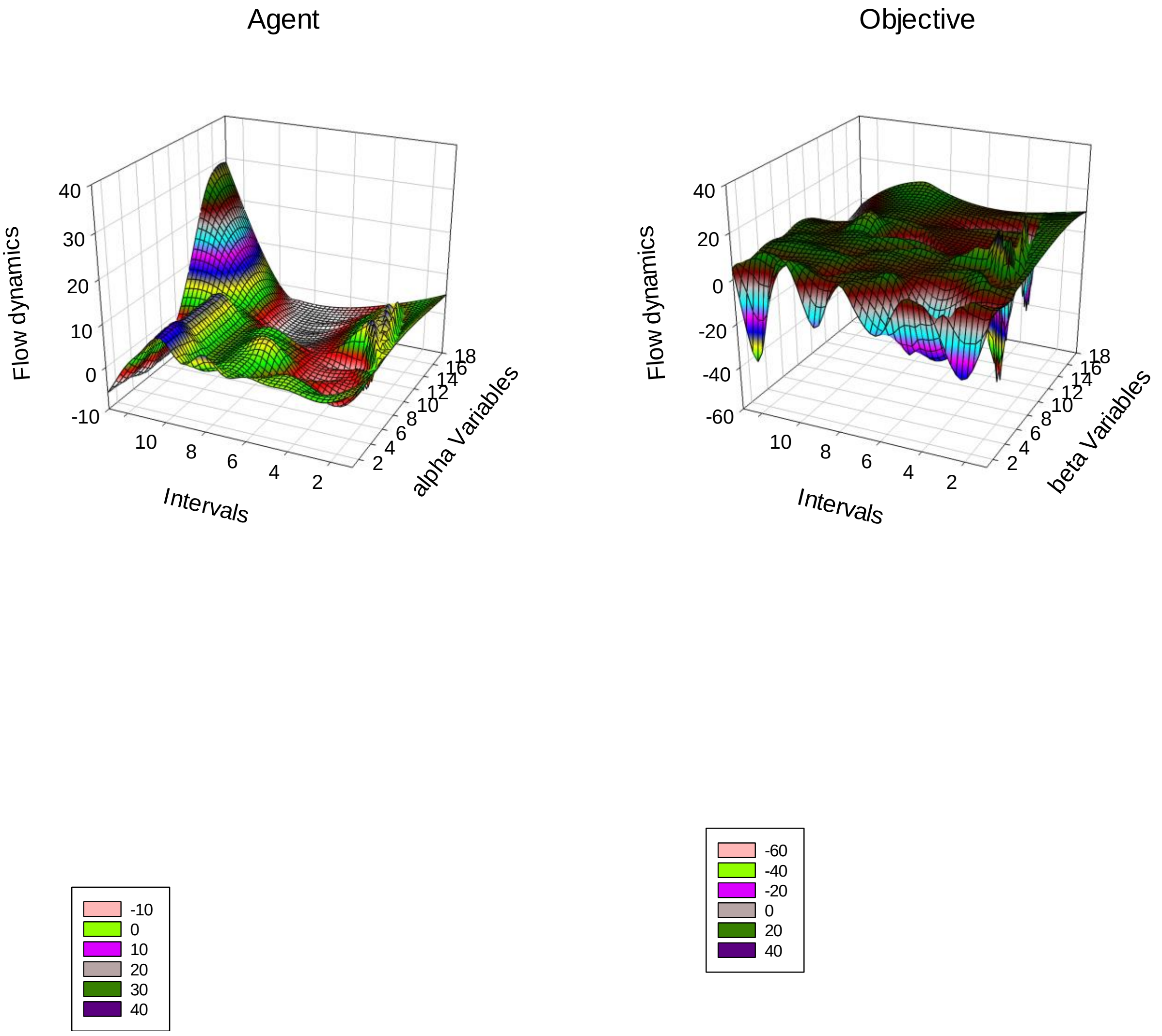

Figure 1 *Angular articulation in the unfolded textual space*

At a first glance, it may seem as if the testing procedure would destroy the strict dependency of the [AaO] units. However, rotating strings of graphemes are driving the rhythmically operating work cycles of the Agent and Objective functions in the direction towards the sharpest increase in acceleration. Both the Agent and the Objective graphs reveal that their trajectories are remarkably dissimilar in their course of development and surprisingly asymmetric in their pattern formation. When determined from its peak-to-peak displacements, the [A] clock and the [O] clock are in their running deviating especially at the end of the process. This means that cyclic and clocklike movements in both components have produced multifunctional relations, which are working asymmetrically in the production of the pattern dynamics underlying the textual organization of the preamble.

In a more abstract sense, the displacement of strings through the Agent function is letting a perspective come into existence and shift or change without intervening disruptions. Thus, in the context of evolutionary language dynamics, the establishment of intention and the discovery of states of attraction presuppose the presence of a bio-kinematic mechanism that is governing the emerging morphogenesis of intention.

Furthermore, Figure 1 makes obvious that the involved mechanisms have the capacity to produce negatively curved manifolds, i.e., hyperbolic spaces. However, the magnitudes of the entangled states depend on intrinsic curvatures. It follows that hyperbolic spaces are the result of a property that has become known as spin (Greene, 1999; B. Bierschenk, 2001; Seife, 2003). The Agent function is recognising spinning as multiples of (½A), while photo-like graphical copying operations are generating the properties of the open spaces [$\varnothing_A$]. The [$\varnothing_A$] are emerging in the form of integers (0, 1, 2, …). Moreover, without the influence of any external forces, the corresponding radians are producing the spin-structure of a perspective.

When the developed [AaO] algorithm is in its analogue mode, the processing of changes in the Objective is surface oriented and becomes operational through a proper accumulation of strings of graphemes. At the grapheme level, i.e., at the first level of processing, "proper" means that the resulting concentration of strings into composites is producing redundancies. At this level, the precondition for strict replication is the supplementation [S] function, which forms the basis for a "block-wise" treatment of the [AaO] unit as well as corresponding matching operations. In previous works, the notion block has been introduced with the purpose to point out that the [S] function has the capacity to conserve the inescapable regularity of an [AaO] relation.

At the first level, processing results in composites, which are functionally different compared to the original string compositions. This means that the [S] function integrates strings through copying. However, at the second level of processing the function is producing shadows. It follows that the validity of the analogy mode of text processing rests on the uniqueness of the participating composites, which is achieved according to the following stipulations:

(1) Valid concentrations of strings into open spaces are produced when all recurrent identical strings are identified.

(2) Valid open spaces are established, whenever the strict dependency of an [A-O] relation has been observed.

At a minimum, corresponding work cycles reflect intentional displacements in a "phase-locked" fashion. Therefore, individual superstrings are bound to strands and expressible as the synchronised running of individual [A] and [O] strands. However, equidistant features are only marking the relational order of synchronised and sequentially running strands. This condition has been shown to have some shortcomings. Phase-locked processing and the involved particularities, e.g. removal of any similarity between strings and discarding homologous grapheme patterns before matching, have prevented the characterisation of intermittent phase transitions.

Due to the covalent and firm coupling of the [A-O] strands, the superstrings of the [A] component have been assigned the alpha variable notation and correspondingly, variables of the [O] component have been assigned the beta notation. From the thermodynamic point of view, the coupling constitutes the basis for the establishment of the kinematics of an [AaO] unit. The [A-O] kinematics remains coordinated and unchanged when known or unknown order parameters are determining their evolutionary course. However, when the matching restrictions are relaxed and cyclic changes in the radians are participating in the forming of a workspace, exact reproduction of the identified control parameters, e.g., periods and fractions as well as shear and strain can be taken into account.

The Gradient Dynamics of the Agent component

A mark on a "resonating string" is generating a perpendicular compound-relationship in the flow fields of the "Functional Clause" (I. Bierschenk, 1999/2003). This is a significant fact, which translates into a variable. For example, when resonating alpha variables have become copies, the tracing operation of the [S] mechanism has the capacity to describe shadow-like wave movements. It follows that the displacement and supplementation procedures form the basis for the autonomous calculation of the resonating magnitude of a variable. Magnitudes are decisive for the manifestation of the rotational dynamics of a variable. Since radians are expressing the functional relation between changes in a gradient and the magnitudes, which appear at the edges where a change originates, radians are responsible for the generation of the shifting shades of a perspective. These shifts must be proportional to the speed of a variable and its rotational displacement.

The importance of producing composites of compounds in the generation of variables concerns the acceleration in the involved rotations, which is accentuating the production of mono-layered as well as multi-layered composites. To the extent that it becomes necessary that more copies become rotated and integrated, the deeper develops the shading of a gradient. Since the [A] gradient develops in front of itself, the Agent function is describing a forward or downward directed path. In that [$\varnothing_A$] holds conserved variables, multi-layered composites appear always in open spaces. However, when the same alpha variable keeps its course in the articulation over several flow fields, the repetitions are relatively few in practice. Usually, repetitions fluctuate between one and five or seven. However, the present study shows that the repetition may fluctuate between 1 and 10. Through the clocking mode of the involved pendulum, it is possible to denote corresponding increases in shading, which finally carry structural significance.

The complexity of a strand grows as the result of shading. Shading implies that virtual properties are characterising displaced alpha variables. Variable displacement through the [S] function allows for a more elastic and fluid form of indexing geometric properties. This means that geometric properties can be updated and complex changes in their angular articulation can be calculated without intervening disruptions. For example, radians may serve the purpose of manifesting a gradient as an expression of rotational acceleration. Thereby, shifts in shading do manifest shifting accelerations that get their numerical expression in the tracing path.

As the shadows become longer and longer, the number of refractions grows and a growing number of rotations become involved in the developing structure. It follows that structural significance is addressing the fact that free parameters are “pointless in the string-approach” (Greene, 1999, p. 383). Since intermittent phase-transitions are resulting from changes in the stability of a gradient, phase transitions lead to changes in acceleration and the identification of order parameters, which are forming the shapes of developing spaces. Finally, this implies that angular articulation and attitude change in the mathematical sense provide the context for the manifestation of a perspective.

The Continuous Relative Phase Transitions in the Objective

Related to the Objective graph, which was reproduced in Figure 1, it is clearly demonstrated that a biological mechanism, governing text production, exists and is controlled not only by the clocking mood of [A] but by the clocking mood of [O]. At each cycle of processing, angular articulation and changes in attitude have generated a phase relationship that reflects intentional as well as spontaneous displacements.

Moreover, the [A] clock and the [O] clock persist in their asymmetrical running, though, in their autonomous behaviour; they are several times in the “in-phase” mode as well as in the “anti-phase” mode. However, their individual behaviour is not changing the phase relation between the clocks. Therefore, textual asymmetry exists over the entire course of time. What is particular in the text can be extracted easily from the graphs. For example, focusing on the dynamics at the steep of both Graphs shows that a shift one step to the left or the right would not influence the characteristic shape of the curves. The relative phase remains and the cyclic, clocklike function of the [AaO] mechanism is revealing the existence of clocking cycles that govern the way the Agent and the Objective component interact and co-operate in pattern formation. Finally, the minor fluctuations are from a biological point of view only natural, because text building is the result of breaking or lowering spatial and temporal symmetries all the time. Evolving structures depend on the generation of discontinuities and asymmetries. What is fundamentally new with an evolutionary search for novelties in complex landscapes are rhythmically operating work cycles which are driving corresponding transformation processes toward synthesis. Hence, a synthesizing working mode generates novelties that are dependent on the observation of morphogenetic properties.

Time-Dependent Development of Convoluted Information Structures

In the developmental context of the morphogenetic fields of the present approach, “binary groups” exist which have the capacity to respond to discrete indicators, which are leading to specific morphological structures. With the purpose to find out whether a particular transformation would imply differences in the naming of a novelty, synthesis will become visible through the naming function. When the degrees of displacement are coupled with a “terminus”, a local concentration of conserved information is defined and the achieved transformation makes apparent that irreversible processes appear as stabilities, i.e., information invariants, at the kinematic level. Thus, symmetry is a consequence of non-commutative measurements and will be discussed in the context of transformational invariance.

The formation of termini in complex landscapes is dependent on the production of symmetry. Therefore, named relations must incorporate both the “state of a terminus” and the “dependency relation” between termini. At a certain given point in time, at least one isolated phase singularity may arise in a simultaneously evolving workspace and constitute the basis for the formation of a terminus. Thus, when a structure is considered as context, cooperation between intention and orientation is no longer the objective of the physical conditions of making experience. Instead, it is the hyperbolic determination of the singularities of regional and global states. Thereby, new constraints are produced, which pass beyond the limit of reality. Because of transcending physical reality, landscapes may evolve, which have the hyperbolic property of “intrinsic” as well as “extrinsic” curvature (Wisdom, 2003). Hence, singularities are organising themselves in hyperbolic spaces which are negatively curved.

At present, the aim with the naming procedure is to give a descriptive explanation to the attractors of a Free Energy Surface (FES). As demonstrated below in the Figures 2 and 3, an FES consists in the beginning of nothing but a geometric pattern of mountains and valleys, i.e. an abstract configuration of an energy landscape, based on attractions. However, if it shall be possible to orient oneself in an energy landscape, it must be possible to transit its terminal states and manifest the results in the form of a transformation path. A detailed description of the transformation steps involved in a sequence of attractions allows for a thoroughly controlled naming process. Further terminologically controlled state-changes are expected to lead to the “correct” communication of “ecologically valid” information invariants.

In the search for the “essence” of a text through the production of an energy landscape, state attractions are expected to manifest particular changes in the information invariants. Therefore, attractions are marking differences in the consideration of a growth path. An established landscape is always characterized by regions, which moreover, may show locally strong bottlenecks and thus suggest firmness in the achieved state attractions. As a result, all complexities, observed at the end of a transformation path, can be circumscribed and communicated with the name of the final state attraction on the path.

As already pointed out, to rule a coordinated grid on a state space (T_1, T_2, T_3, …,T_n) in the form of a mesh system is a convenient device for visualising irreversible time. This is also a measure on the form of variable convolutions, which is established with the design for the evolving workspace. The size of the necessary mesh can be determined based on the following observation:

> The representation of one state attractor in the workspace requires four coordinates. The number of singularities ($T_n = p_n - 1$) is one less the number of point attractors ($p_n = 166$) for the Orientation dimension and ($p_n = 111$) for the Intention dimension, characterising the terminal states of their mesh systems. The subtraction relates to the number of cells (degrees of freedom) which relates to the establishment of the first state attractor in the evolving space. It follows that the needed mesh can be approximated with [$(4 \otimes T_n) - 4$ = Cells of attraction] which means for the Orientation mesh 656 cells and for the Intention mesh 436 cells.

The relationship is prototypical of a mesh that builds on two stress functions, namely (X), which has been shown to manifest strain and (Y), which represents shear, meanwhile the (Z) now is reflecting equidistance. Furthermore, it is worth noting that the terminal states (S_1, S_2) of a mesh are representing the variables of the point attractors as well as a new kind of Dummy (D_i). Every point attractor (p_n) and every (D_i) is partaking in the equidistant transformations.

Catching the naming process with a mesh is the topical way of giving expression to the conditions, which determine size and growth in the workspace. In recognising evolving dependency relations, it can be demonstrated that a configuration of descriptive names always must end up with a final or inclusive name. At the kinematic level, a discussion of the transformation processes becomes meaningful first through an approach that describes the relationship among various parts of the mesh under discussion. The resulting dependency relations between certain regions and microstructures maintain their coherence within the context of the corresponding mesh. Moreover, since the performed transformations are invariant over particular mesh systems, the nature of growth is manifesting the way in which information, carried by the point attractors, becomes transformed and conserved or stored in the changes of growth paths.

To rule a mesh system on a configuration of point attractors is decisive for the expression of the processes that operate in the production of the parts of a path and its subsequent crossing with others. Therefore, a growth path can be likened with continuously “forward-looking” displacements of the “head of a snake” (B. Bierschenk, & I. Bierschenk, 2005, p. 73). Caused by the influences of strain and shear, the displacements are rhythmically manifesting emergent state attractors. Every time a bifurcation can be observed, the head points towards a more or less significant discontinuity in the path. Even more, continuous changes in the control parameters evoke discontinuities in the order parameters.

If the changes, instantiated by the control parameters, are small, they will produce a homorhesic path. However, any time the transition from one state to the next following is producing a sudden and unexpected or exceptional jump; a new path comes into existence, which is resulting in a hysteresis. Further, any application of a minimally sufficient mesh will have the capacity to catch the manifestation of the head’s gliding and turning on the path. Thereby, self-indication forms the basis for “self-reference”, which consists of a number of qualitatively distinct phases:

Phase 1: Textual elements are carried into the sites of the alpha and beta domains. This phase comes to an end with the emergence of point attractors that number far fewer than the number of original textual elements which are defining the variables.

Phase 2: Text material builds up on the sites, where the variables take on the shape of point attractors.

Phase 3: At a critical distance, point attractors, achieving a certain magnitude, become separated.

Phase 4: The mutual "curvature" of two neighbouring point attractors forms an arch toward a virtual midpoint, which constitutes the saddle point singularity of a state attractor.
Phase 5: Extension from the state attractor of an arch to another state attractor or a point attractor forms a dome, and consequently a singularity of higher complexity.

Since any singularity exists independent of the kind or degree of deformation of a path, a singularity marks the presence of a topically invariant state attractor. Moreover, because the path is an indivisible unity, its ring structure gives expression to completeness.

To catch the fundamental implications of a mesh system requires that the underlying composites are producing valid resonance properties. However, communicating the significance of a variable implies that its uniqueness can be captured by establishing the necessary naming procedures. It follows that the common causal determination of a state attractor can be processed as the functional definition of adaptation and consequently fitness. With the purpose to obtain a graphical representation of the landscape of Orientation, the coordinated grid in the form of the corresponding mesh system has been ruled on a state space as a convenient device for visualising irreversible time.

The extent to which the mesh system can give expression to the degree of curvature in its shape has been made evident in Gaussian terms, i.e., the product of curvature, developing in orthogonal directions. This is also a measure on the form of variable convolutions, which is demonstrated with the design, illustrated below with the Grid-layout of the Figures 2 and 3. When the interpolation of the radians is carried out with the negative exponential function, the applied local smoothing technique is using polynomial regression and weights, computed from the Gaussian density function. The data was fit with a modified three-parameter exponential decay using SigmaPlot version 13.0.

"Connes-Fusion" as Method of Foliation

Traditionally, the grouping of sets of empirical data requires that these sets be used directly in the process of agglomeration and its representation in the form of hierarchically organised trees of data-clusters. However, this approach precludes a test of divergence of a particular tree from accurate reconstruction. Moreover, it is assumed that the data entries of corresponding matrices consist of dissociated elements. It follows that the axiom of "association" and consequently the premise of "randomness", is the accepted theoretical foundation for any taxonomic procedure, which can establish "distance between any two elements" as proportional measure of structural distance. It follows that its behavioural expression, and consequently all rates of change, is assumed the same in all branches of a hierarchical tree. In addition, agglomeration is made dependent on a theoretical basis that requires the assignment of polarity to entries. Especially critical for the classical approach is, according to Raff (1996, p. 107) the absence of criteria for testing the "goodness of fit" concerning an achieved reconstruction. Trees with large numbers of terminal states may appear because of "polynomial incompleteness" in the sequence. Raff refers in his discussion to "phylogenetic data", but his observations are valid in all cases where clustering procedures are applied (Bierschenk, B., & Lienert, G., 1977)

The present approach to foliation and structural analysis has been based on discontinuity and phase-dependency that is the only way to achieve perfectly reliable observations. Strict dependency in the working of the AaO mechanism has overcome the "polynomial incompleteness" problem of the classical approaches. It follows that the only tool necessary for exact and precise reconstruction is an efficient foliation procedure. Such a procedure has been provided by Connes (1994) and will be outlined in the following.

The basic conditions of this procedure concern the degree of change in the articulation of a variable. The change in the observation of a change in articulation at a certain step means a change in attitude. For example, the process of producing “branches” and their arrangement in succession requires that a change is determined within and between periods and the intervals of a period. By applying the “Connes-fusion” to this process, operations come into existence that unites certain magnitudes. Progressive processing of any magnitude on the distance between the actual state and the equilibrium of a system demands an operator-valued function or a q-numbered measure on the existence of an Eigen-value relation or a groupoid.

A groupoid consists of a set of elements (G*) that is closed under a binary operation, whose domain is all of (G*). Hence (G*) will be made the foundation for the manifestation of the kind of order parameters that generate the dynamic aspect of “convolution”. It follows that (G*) is replacing the classical frequency group (G), which has dominated the taxonomic approach and is computed, when regular latticed spaces form the basis of a complex-valued function. In changing from this kind of functions to the operator-valued function of Connes (1994), (G*) will play a crucial role in the “foliation” of the states of a system and the determination of its thermodynamic limit at the kinematic level.

By applying the “Connes-fusion”, a technical operation comes into use, which controls the base-point (x) of the S^3-matrix. Letting the base-point be equal to (q=1) so that [U(x) = 1] means progressive processing of [$A = C \otimes C$]. The connection matrix ($C \otimes C$) is resulting directly from the association of two discrete points ($\alpha_1 \neq \alpha_2$). It follows that progressive processing is definable based on a distance Δ-operator, which is folding the A-matrix. The latter makes the coupling process (C) manifest and gives the folding its direct physical meaning.

Connes is according to Mackenzie (1997, pp. 32-37) “doing something extraordinary”, because Connes’ space consists of only two points and their “alter-egos”. Hence, this space can be represented as a pair of numbers on which classical arithmetic operations can be performed despite the fact that “every point is twinned with an indistinguishable alter-ego” (Mackenzie, 1997, p. 36). The “alter-ego” of a number will be represented with D, which stands for “Dummy”. Connes is writing the operator-values in the upper left and lower right cells of the matrix shown in Table 1.

Table 1.
The Connes Δ-operator

Level	Cell 1	Cell 2
1	E=1	D=0
2	D=0	E=1

E=Energy, D=Dummy

As shown in Table 1, Connes defines the other two as cells that contain the “identity-copies”. This operation is resulting in a matrix that has, according to Mackenzie (1997), the conspicuous power of changing either point (E) into the other. However, this amounts to Heisenberg’s “uncertainty principle”, which is sufficient for the generation of the “entire standard model of elementary particle interaction”. Hence, foliation appears immediately in the fusion process. At every step, half the difference between the effects of carrying versus non-carrying an operator value (E) is taken as basis for fusion. Formally expressed, the procedure is working with the following criterion for the identification of change: $\omega = [\frac{1}{2}(E_{22}+E_{11}) - \frac{1}{2}(E_{12}+E_{21})]$. This space develops on two simple C-matrices, however differing in embodiment of the copies and in the production of smooth (G*). Emerging is a double space-time account. It consists of the ordinary space-time product, manipulated by a very tiny discrete two-point space (Connes, 1994, p. 176). This space corresponds to the discovery of the progressive continuation in the branching of a foliation. Simple numerical calculation may be carried out according to the expression $\omega = [½ (E_{11}+E_{12}) - ½ (E_{22}+ E_{21})]$. Evidently, this fusion process generates identical main and interaction effects, namely $\omega = [½ (0 + 1) - ½ (1 + 0)] = \omega_e = 0.00$. The use of (½-densities) removes any artificial choices in the set-up of the operating connection matrix.

A smooth (G*) is a special case of a locally compact groupoid (Connes, 1994, p. 11). It follows that classical certainty has its validity within the space of the matrix of Table 1. Finally, it can be concluded that breaking symmetry must appear in pairs both within and between components. Whenever the deviation in a particular pair exceeds the critical value (ω_e=1.00), it can be concluded that a system begins to respond in discontinuous manner. Thus, when length no longer is connected arc-wise, a synthesising ρ-dimensional space becomes available. However, it is crucial for an understanding of the dynamics of the dependency relation between [AaO] systems that a comprehensive profile over the ρ-dimensional shapes of its [A] and [O] configurations can be established.

It follows that the relation: $[\rho(e^{i\theta,i\phi}) = U]$ is transforming single alpha-beta composites into comprehensive contour landscapes. By definition, the workspaces are "hyperbolic at any level" (Connes, 1994). How differences in angular articulation will constrain the behaviour of individual alpha and beta variables within a certain workspace will be demonstrated in the following. If, for example, the relationship between the angles of (alpha_1) and (alpha_2) is continuous from the spatial point of view, their associated strings can be used to communicate the meaning of the corresponding attractor at the psychological level of interpretation.

Hence, an attractor in the workspace concerns the interpretation of local as well as global dynamical condition in text production. However, if apparent instantaneous influences from distant (e) values were absent, then associated strings would not contribute to the articulation of a particular meaning. It follows that communicative interaction is always between strings in neighbouring locations. This condition guarantees that the interpretation of formed (G*) is constrained, because, what local strings usually have in common, is that they, relative to some time-line, carry an inclination, whose referential orientation is directed toward the same focal point.

As long as the pairs of values within an interval do not depart beyond the stated criterion ($0 > \omega_e < 1$), one-variable-groups are reflecting a locally continuous system. This measure results in a system that consists of one-variable groups. On the other hand, whenever the iteration process implies a transition from the first to the second iteration, the borders of established intervals are transcended and new pairs of neighbouring values are formed. As a result, it can be shown that subtle discontinuities in speed of rotational pattern dynamics can be captured by this simple procedure for the calculation of symmetry-breaking behaviour. In overcoming the "borders", constituted by the Clause Markers, the folding process is binding participating variables effectively.

Transformations in the Orientation Space

For the naming process to become comprehensible, it is worthwhile to go back to the text surface of the preamble and follow up the process of generating termini, because that is a way to demonstrate the place where the structure of the text is anchored. The transformation path in the Orientation dimension begins with binding its strings of graphemes to the respective "point attractor". This is the first step in the process and Table 2 may be taken as a beginning. A point attractor defines the state that is attracting a variable, i.e., an edge value of the underlying mesh. To get some feeling for the approach it is recommended to work through some results of the transformation process. As illustrated, the sequence of the graphemes ('is the foundation') is making up a string of graphemes, which is connected with Node (1).

Table 2
Transformation of Node (1) through Node (2) to Attractor (T_1)

X	*Y*	*Node*	*Value*	*Transformation*
0	1	1	4,5530	is the foundation
1	0	2	4,9923	of freedom
1	**1**	**T_1**	**9,5453**	**Legacy (widespread acceptance)**

According to the mesh representation, a curved line from the Node (1) to the Singularity (T_1) is indicating that this string of graphemes should be transformed to something else, which however no longer has any physical existence. For the transformation process to come about, a second curved line must be taken into account, which likewise orients itself towards (T_1). Since this line connects the following string of graphemes (‘of freedom’) with Node (2), the corresponding process transforms the meaning of Node (1) into the attractor (T_1), named ‘Legacy’ that presumes a widespread acceptance.

Naming a point attractor based on its textual segments means that a point attractor is determined based on its internal frame of reference. Prototypical naming implies a description of the terminal states of a system. For example, the transformation of the textual segment of the variable of the first Node with the textual segments of the second Node implies a time-directed transition on the kinematic path. This process is generating appropriately incorporated state-paired termini. If the latter shall have any influence on the former it must result in something transformed (i.e., something new).

Legacy as concept for the description of the first state attractor appears to be the best approximation. The concept may be contradictory and difficult to pinpoint but it merits a careful transformation on the path since it depends heavily on its widespread acceptance. Of course, any alternative name may give an appropriate description, which can catch the strength of this first step. Whatever the decision may be, the result is virtual, which means that it has no longer any direct correspondence with the physical context.

In continuing the steps to be taken on the path, further point attractors have to be identified and associated with the grapheme strings of the variables, which are determining the nodes. One obvious effect is noticeable, namely that there is an inbuilt and dynamic correction mechanism. This mechanism comes into force when the second state attractor is backward bound in order to modify the first. Thus, already the next step on the transformation path will develop some constraining conditions due to the point attractors summarized in Table 3.

Table 3
Transformation of Node (3) through Node (4) to Attractor (T_2)

X	*Y*	*Node*	*Value*	*Transformation*
2	0	3	4,0192	justice
3	0	4	4,0192	and peace
3	**1**	**T_2**	**9,0216**	**Powerful impression**

However, a first measure is to find a proper name for describing the meaning of ‘Powerful impression’. In trying to reconcile short versus longer imperatives, a powerful impression may arise from the negotiation of peace agreements and support of robust efforts to achieve transitional justice. In particular, the transitional approach to ‘peace’ vis à vis ‘justice’ may be a post-conflict resolution which nevertheless has emerged as a powerful impression in the context of the Nuremberg and Tokyo trials. These trials reflect the success of transitional justice and its historical pursuit.

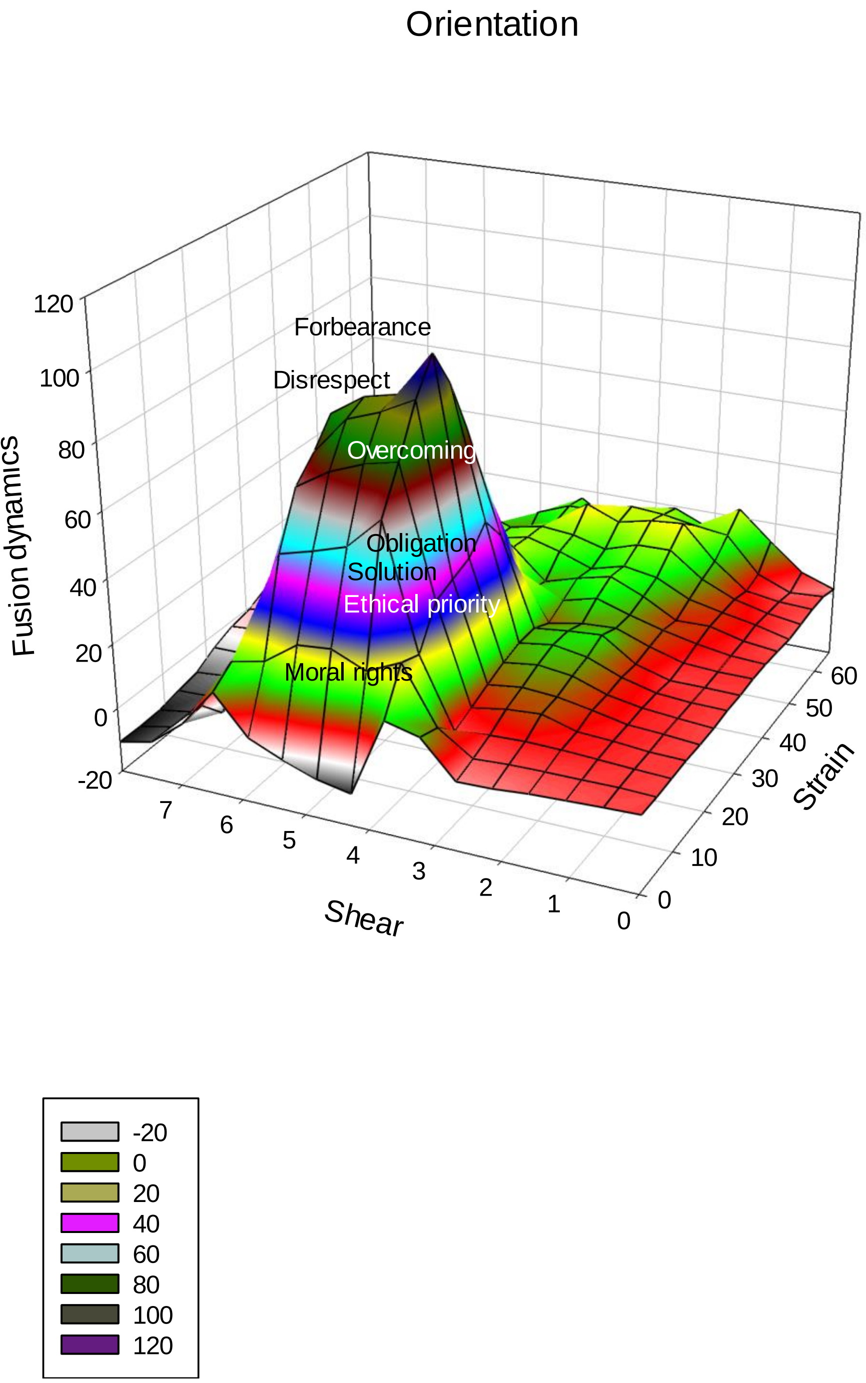

Figure 2 Naming the *Descriptors in the Landscape of Orientation*

In what way the description of the attractors of the Tables 2 and 3 forms a proper ring is demonstrated in Table 4. The legacy of the obligation of an individual, organization or state for its activities implies the acceptance of responsibility. It recognizes that the dignity of citizens and human beings is rooted in the accountability of transitional justice systems. Its aim may vary but the following features may persist: recognition of dignity, acknowledgment of violations and the aim to prevent them.

Table 4
Backward binding of Attractor (T_2) to Attractor (T_1) to form Attractor (T_3)

X	*Y*	*Attractor*	*Value*	*Backward binding*
1	*1*	T_1	*9,5453*	*Legacy (widespread acceptance)*
3	*1*	T_2	*9,0216*	*Powerful impression*
3	**2**	$\mathbf{T_3}$	**17,5837**	**Accountability**

The particular issue of accountability for atrocity crimes has been focused on genocide, crimes against humanity, war crimes and ethnic cleansing. Alvaro De Soto (2017) mirrors this observation and requires post-conflict resolutions, which imply gradual shifts within the scheme of international law. In advancing the space-hypothesis, it is demonstrated that its theoretical significance relates to the way in which the state attractions constrain the growth process of Table 5.

Table 5
Backward binding of Attractor (T_{99}) to Attractor (T_{87}) to form Attractor (T_{100})

X	*Y*	*Attractor*	*Value*	*Backward binding*
44	*5*	T_{87}	*394,3852*	*Potential threats*
32	*5*	T_{99}	*76,8802*	*Finalised guidance*
32	**5**	$\mathbf{T_{100}}$	**471,2654**	**Forbearance**

‘Forbearance’ through individual variations in the state attractors, it has become possible to demonstrate structural stability in the morphogenesis of *Forbearance* by the invariants, making up its region as determined above in Figure 2. The concept implies that a new kind of conservation principle may be approached experimentally. Forbearance to emerge on the growth path is of particular importance since it points towards the aim to maintain peace and security among nations. The roots for their protection can be traced back to Hammurabi’s (1780 B.C.) code (B. Bierschenk, 2019). With this code, Hammurabi established fair wages, offered protection of property and required charges to be proved at trial.

To achieve this aim, ‘Finalised Guidance’ has been shown to have transformative power and to highlight the responsibility of the senior management of a Nation’s government in either Classical or Modern Times. It represents a significant advancement in the direction of assurance and respect for human rights. They are expected to ensure that security providers are committed to manage ‘Potential threats’.

‘Potential threats’ come from the negation of sustainability and full realisation of the objectives of civil law. Some of the greatest challenges to the rule of law are the crimes committed on national territory, permeate national borders and affect entire regions. Its violation undermines the achievement of all dimensions of social and cultural development. Moreover, political interference is often widespread and oversight mechanisms are often non-existent or biased. The absence of operational rule of law institutions is a key driver of continued violent conflict. However, when meaning is used for communication, it has to become symbolic. Inherent in the process of forming attractors of growing degrees of complexity is the process of communication. It follows that the production of termini that can describe a landscape must be regarded as a developmental twist. This twisting step leads finally to the naming of the characteristic property of a landscape, i.e., its regional and global state attractors.

A precondition for studying the outcome of Table 6 is that the individual member of a society is allowed to give expression to his understanding of the way in which various societal conditions are influencing his judgement. In the choice of possible descriptions, the projection of an objective frame of reference onto the measurement space of the individual's preferences may be a condition. However, in many situations, subjective considerations may introduce a qualitative component. As a minimum, the individual should be informed of the character of the process of judgement and that it is only natural that at times the degree of *Disrespect* can vary greatly and over the entire moral scale. As demonstrated in Table 6, the concept is the result of the transformative effect of 'Immorality' on 'Forbearance'.

Table 6
Backward binding of Attractor (T_{101}) to Attractor (T_{100}) to form Attractor (T_{102})

X	*Y*	*Attractor*	*Value*	*Backward binding*
32	*5*	*T_{100}*	*471,2654*	*Forbearance*
30	*7*	*T_{101}*	*-6,77109*	*Immorality*
30	**5**	**T_{102}**	**464,4943**	**Disrespect**

When 'Disrespect' is the outcome of the negatively weighted 'Immorality', transforming 'Forbearance', becomes the result of the constraining effects of the controlling states of the generated mesh. This situation is arising, whenever one may argue that someone is not honoring or respecting the way the person deserves which obviously is a form of theft (Lamorey, 2011, January 3). How these states are governing the involved addition (+) and subtraction (-) activities depends on the kind of twisting that is developing as the result of the applied folding procedure. As long as the progress in the twisting develops based on positive (+) charges during its growth process, rotational magnitudes are added. This implies that the twist becomes more bulky. However, when its progress is governed by negative (-) charged values, the corresponding quantities are subtracted, which means that the twist has a reducing effect.

In what way further decreasing in quantities define negative curving twists can be extracted from the degree of demising outcomes. It follows that the twist is forming a spiralling line of growth, which is self-indicative. Moreover, this line represents the lasting record of successive stages as shown in the Tables (7-11), which have to be accounted for. In conclusion, the notion of "growth" refers to manifested height (+) or depth (-), which is a function of irreversible time. When 'Ambition' exerts its transformative power on the concept of 'Disrespect' an eager or strong desire to achieve, a change of an otherwise uncomfortable situation is implicated in Table 7. The process involved has to be explained and discussed with reference to the negative impact, which means an attitudinal change away from the destructive impact of 'Disrespect'.

Table 7
Backward binding of Attractor (T_{103}) to Attractor (T_{102}) to form Attractor (T_{104})

X	*Y*	*Attractor*	*Value*	*Backward binding*
30	*5*	*T_{102}*	*464,4943*	*Disrespect*
28	*7*	*T_{103}*	*-4,9082*	*Ambition*
28	**5**	**T_{104}**	**459,5861**	**Overcoming**

The meaning of the developing invariants becomes manifested in ‘Overcoming’. ‘Overcoming’ as the resulting concept of the transformation in Table 7 comes about due to an influence of ‘Ambition’, which means a desire to succeed in one’s accomplishment in the workplace. Being ambitious at work is a good thing for national and international engagement. For example, especially ambitious managers may find themselves in a promoting role and are taking initiatives directed towards mastering a problem or task. However, as demonstrated in Table 8, the operating concept that transforms ‘Overcoming’ into ‘Solution’ implies a set of requirements, which helps to apply properly ‘Bypassing’.

Table 8
Backward binding of Attractor (T_{105}) to Attractor (T_{104}) to form Attractor (T_{106})

X	*Y*	*Attractor*	*Value*	*Backward binding*
28	*5*	T_{104}	*459,5861*	*Overcoming*
26	*7*	T_{105}	*-3,75870*	*Bypassing*
26	**5**	$\mathbf{T_{106}}$	**455,88741**	**Solution**

In order to establish a solution some major requirements must be met by the administration. For example, protective measures are needed which bring into being alternative safeguarding devices. This means that bypassed safety function requirements must be allowed to be supplemented by means of turning on alternative routines. These measures would make more than correct insufficient safety functions. Certain individuals with the required skills would be qualified to control the performance. This may become the core of the transforming operation of ‘Legal principles’. In egalitarian states, as represented by the nations of the EU, ‘legal principles’ constrain any obtainable solution, including the fundamental assumption of the involved lawyer. Hence, awareness is expected to develop and alter the growth path in Table 9 towards ‘Ethical priority’.

Table 9
Backward binding of Attractor (T_{107}) to Attractor (T_{106}) to form Attractor (T_{108})

X	*Y*	*Attractor*	*Value*	*Backward binding*
26	*5*	T_{106}	*455,88741*	*Solution*
24	*7*	T_{107}	*-5,2066*	*Legal principles*
24	**5**	$\mathbf{T_{108}}$	**450,6808**	**Ethical priority**

As officer of the International Court of Justice (ICJ) who plays a critical role in upholding the integrity of the legal system and thus, human rights, the officer must work for the fair administration of justice. However, priority-setting decisions are ethically conceived as a controversial issue and highlight the need for clarity with regard to the criteria and the process. Individuals and commercial firms as well as governments can only ‘strive’ if the economy works for them.

The “European Convention on Human Rights” has played an important role in developing an awareness of “Good health” and “Well-being” as an ultimate expression of fairness and human rights in Europe (Wikipedia, 2020, March 4). The UN signed in 2015 a document on “Good health” and “Well-being” and declared universal health coverage (UHC) as the ultimate expression of fairness (Norheim, 2016, p. 75). Table 10 is stressing the import of striving for the unique “social market economy” of the EU that allows the economies to grow and to reduce poverty and inequality.

Table 10

Backward binding of Attractor (T_{109}) to Attractor (T_{108}) to form Attractor (T_{110})

X	*Y*	*Attractor*	*Value*	*Backward binding*
24	*5*	*T_{108}*	*450,6808*	*Ethical priority*
22	*7*	*T_{109}*	*-11,8739*	*Striving*
22	**5**	**T_{110}**	**433,74761**	**Obligation**

With the goal to provide the backbone of the “Capital Market” by deepening the EU as an economic union, the operator value of ‘Striving’ is essential in transforming ‘Ethical priority’ into an ‘Obligation’ in order to strengthen small and medium-sized enterprises and governments. With all European Nations on stable footing, only then can the economy of the EU respond fully to the needs of its citizens (European Commission, 2020, February 26).

The last Table (11) of the Orientation dimension is made up of concepts that allure to the virtue of “uprightness” which comes from the “Old Testament” and is scarcely mentioned in the world of secular endeavour (de Marco, 2004). Nonetheless, the concept remains an essential anchorage on which the operator ‘Emancipation’ works with the effect of bringing about ‘Moral rights’ as the all-inclusive terminus on the growth path.

Table 11

Backward binding of Attractor (T_{127}) to Attractor (T_{126}) to form Attractor (T_{128})

X	*Y*	*Attractor*	*Value*	*Backward binding*
8	*5*	*T_{126}*	*277,56051*	*Uprightness*
6	*7*	*T_{127}*	*-40,6832*	*Emancipation*
6	**5**	**T_{128}**	**236,87731**	**Moral rights**

Emancipation refers to the liberation of the individual from authorities either in the form of the Parents or the Nation state. The philosophical basis for obtaining one’s freedom of expression, right to self-determination and attainment of equality was originally formulated by Immanuel Kant.

Moral rights may be grounded in humanity and be in accord with the ethical system that underlines the right to privacy. Moral rights were first recognized in Germany and France and are distinct from any economic rights. Even if an individual author has assigned his work to the work of a third party, he still maintains the moral rights to the work. If an author does not own the copyright in his work, he cannot sell or completely waive his rights but may give consent things, e.g. alterations that may otherwise breach his moral rights.

Finally, Moral rights are fundamental to the individual but have nothing to do with what is addressed with the concept morality, i.e., the principles concerning right and wrong or good and bad behaviour. Instead, Moral rights are rights that are dealing with the protection of the ***reputation*** of the individual and author of the work in question (Publish Lawyer, 2014). A Moral rights concept that is of a very different kind is anchored in an ethical model for decision making and evaluates taken decisions on the basis of their compatibility with the fundamental rights such as the rights addressed by the declaration of universal human rights or European Convention on Human Rights (Wikipedia, 2020, March 4).

Transformations in the Intention Space

The structure of the alpha variables is interwoven with the structures of the beta variables. A manifested alpha path is a sensitive expression of rotational dynamics when the potential of the alpha configuration is co-varying with the rotation on the corresponding beta path. Moreover, the emerging termini may differ to the degree that the centrality of the alpha domain is differing asymmetrically from the centrality of the termini of the beta domain. In order to obtain the depth relation of the alpha and beta pairs it has been necessary to treat the variables on the alpha and beta strands as autonomous units. Thus, one more step has to be taken, if the [AaO] mechanism shall be capable of manifesting the depth in the alpha domain. This step consists in the coupling of the trajectories at the kinematic level, so that the growth path can give expression to the coordinative cooperation of the alpha variables.

The most striking difference in the transformation process concerns the linkages, which are appearing in the Intention landscape. Just by comparing the obtained results, an account can be given of developments in the corresponding mesh system. Coupling of differently running trajectories means a reworking that generates the perspective information shown below in Figure 3.

With reference to the extraction mechanism, forward and backward moves of the activated pendulum demonstrate that cyclic processing means directing the swing of a cycle towards the attractor, which terminates the swing. The name of the singularity immediately preceding the end of the swing is thereby extracted as the proper descriptor of the state attractor, which has accumulated the highest amount of energy in Figure 3.

As shown in Table 12, the process is transiting from the position of the state attractor (T_{A66}), through a number of states until it has reached its destination state (T_{A59}). The corresponding attractor points at the matching attractor in the configuration of the Orientation landscape. In the present case, the state attractor (T_{O60}) is associated with the descriptor to be extracted for designating the attractor (T_{A67}) with ‘Formation’, which represents the description of the attractor in the Intention, landscape.

Table 12
*Extraction of termini from the (**O**) net*

X	*Y*	*A*	*O*		
		Pendulum	*Destination*	*Extraction*	*Fusion*
45	5	T_{67}: $T_{A66} \rightarrow T_{A59}$	T_{O60}	Formation	227,4378
53	5	T_{59}: $T_{A56} \rightarrow T_{A55}$	T_{O58}	Fulfilment	215,7882
55	3	T_{55}: $T_{A54} \rightarrow T_{A51}$	T_{O55}	Cross-boundary impact	213,8908
51	3	T_{51}: $T_{A50} \rightarrow T_{A41}$	T_{O48}	Growth	210,4426
35	5	T_{77}: $T_{A76} \rightarrow T_{A67}$	T_{O70}	Decision support	202,8565
29	5	T_{83}: $T_{A82} \rightarrow T_{A77}$	T_{O78}	Conformity	196,7755
23	5	T_{89}: $T_{A88} \rightarrow T_{A85}$	T_{O86}	Pretend security	190,6070

‘Formation’ has from the start ‘basic provision’ as its foundation. This allows the recognition of its psychological dimension. If recognized with regard to an autonomous agent, the descriptor is embracing a positive attitude. Accordingly, those who fail to form an adequate recognition will also fail in the formation of proper societal values. In the end, the formation of a successful relation to oneself and others hinders the development of ‘practical identity’.

‘Formation’ is an especially well founded cornerstone for the psychological development of measures for resisting political, ethnic or religious repression. The base for provision and recognition of the relational character, which underlies any formative development, and its potential for emancipation may have been institutionalized or supported by law.

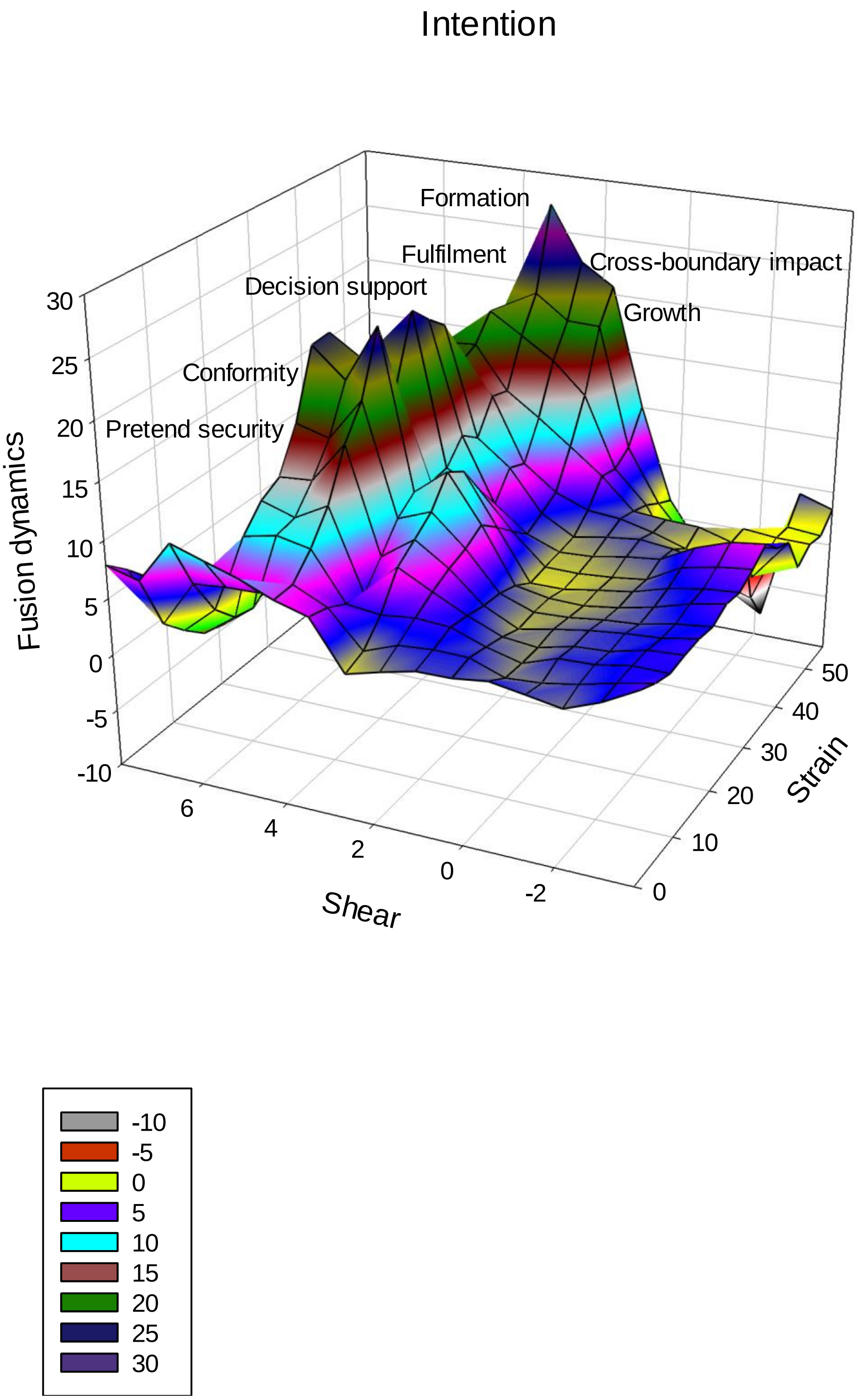

Figure 3 *Description of the Landscape of Intention*

‘Fulfilment’ of ‘universal respect’ was a theme that was discussed during the 18th and 19th centuries and came into use in connection with pondering on the ‘source of human rights’. “The Universal Declaration of Human Rights” was realized to be dynamite for all governments at the time of their declaration, because of their own discrimination against minorities. Enforcement would provoke political pressure. However, recognition of the inherent dignity of all citizens is the foundation of freedom, justice and peace in the world (Wikipedia 2020, February 10).

'Cross-boundary impact' addresses primarily the freedom of movement and residence for persons in the EU. The corresponding treaty has a long history, which began with the Treaty of Paris in 1951. A right for free movement of workers within the EEC was established in 1957 with the Treaty of Rome. International borders were finally removed under the Schengen agreements. Today, EU citizens and their family members have the right to move and reside freely within the territory of the Member states.

'Growth' in the 21st century has in focus those players on the international market who are in control of their increasing dependencies on "cyber-technologies" and advantages in promoting 'Growth' by influencing a "whole range of strategic vulnerabilities" (EPSC, 2019). Despite many positive effects the cooperation of the EU with third parties may have, its 'Growth' depends partly on its capacity to prosper, partly on the degree of autonomy it can achieve in the geopolitical competition and protection of its interests.

A proper geopolitical strategy requires that all European countries apply a precautionary attitude towards reliance on technological components, which are coming from states with a different outlook on liberty and freedom. The ability of the EU to participate in making international rules that reflect genuine European values at the industrial level will define its future 'Growth'. In particular, technological interference will be a threat to its Member states, because of its cross-boundary impact on the strategic autonomy of Europe. Since AI relies on big data analytics, 'Prosperity' in the EU will lack behind to the degree that it performs poorly technologically.

'Decision support' is part of the "Management Information System" from Tutorialpoints (2006) which is interactive, software-based and designed to provide an 'Assembly' with 'viable options'. By accessing 'big data' from differently related systems, decisions are identified and obtained with the purpose to find solutions to programmed and non-programmed problems. Because of its make-up, reports are generated on the fly. An information system that supports business or organization management, like the EU or UN, serves its middle and upper levels in situations where requirements for analysis are rapidly changing and are not easily specified in advance.

'Conformity' is influencing the formation and maintenance of smooth and predictable societal functions. In this sense, "compliance" with societal norms may be perceived as a positive force that prevents acts that are perceptually disruptive or dangerous. Prior commitment to the idea of a "European Union" helps determine the level of conformity an individual Member state displays. The tendency to conform to the EU statutes is expected to result from EU citizen's predisposed states of mind. For example, when people choose to remember matching attitudes and beliefs they become like-minded. Remembered norms are implicit, and its rules are specific and shared be all EU nations. This is often referred to as a pattern of thought, which conforms to values, and ethics of the European community.

'Pretend security' is placing into effect all controls required to safeguard the information which is classified in accordance with European-wide "Industrial Security programs. Standard operating procedures ensure the integrity of classified collateral Programs". The Common Security and Defence Policy program enables EU to take a leading role in peacekeeping operations. The European Council (Nice, 2001 February 26) has decided to establish permanent political and military structures (Strategic Communications, European Union External Action). Moreover, 'an appropriate level of ambition and strategic autonomy is important for Europe's ability to promote peace and security within and beyond its borders' (EPSC, 2019)

Discussion

Constitutionally, the European Union (EU) is formally conceived neither as a confederation nor as a federation because it lacks the formal attributes of a state. Sovereignty continues to flow ‘from the bottom up’. This is reflecting the condition of control by the Member states and their right to withdraw unilaterally in agreement with article 50 of the Treaty on the European Union. The Court of Justice ensures interpretation and application of EU law. The Court also resolves disputes between EU institutions and Member states and against EU institutions on behalf of individuals (European Union. (2020, March 15).

The European Union (EU) has developed an internal single market through a standardised system of laws. Its policies aim to ensure free movement and freedom of expression among other established rights. Additionally, all EU countries have a very high “Human Development Index”. Due to its global influence, the EU has developed an important role in Common Foreign and Security affairs. Laws made by the EU institutions can be classified in two major groups: those, which come into force without the necessity for national implementation, and those that specifically require national implementation.

Fundamental Human Rights in the EU are laid down in the treaties where the EU declares that the Union itself is “founded on the values of respect for human dignity, freedom, democracy, equality, the rule of law and respect for human rights, including the rights of persons belonging to minorities … in a society [in] which pluralism, non-discrimination, tolerance, justice, solidarity and equality between women and man prevail.”

Decline of moral standards appears to threaten the institutions of the EU. Integrated in the Charter of Fundamental Rights, is the public's access to administrative documents. This right is an essential component of a better European democracy but this right is steadily more contested. Nothing is more infuriating the public than the feeling that rules are bent to protect the interests of the top bureaucrats (Dehousse, 2018).

Moral corruption is an essential component in any decline of power (MacMullen, 1988). When personal interests are in focus, the rule of law will be circumvented or simply ignored. All that matters is the promotion of discrimination practices, which the EU has allowed to become “honourable” commitment as in the treatment of Hungarian and Polish persons in charge. The ‘Selmayr case’ reveals a particularly hypocritical incident. His appointment as the European Commission’s secretary general during the office of Juncker makes the organisation of a “fake competition” obvious. Declared as “legal”, critics of the appointment procedure were presented as “defenders of fake news” (Dehousse, 2018).

Moral decline (or degeneration) refers to the process of declining from higher to lower levels of an ethical conduct. With reference to the administration and political progress in the EU, decline is seen as a decline in European life quality. There is the danger of disintegration from within rather than dissolution of the EU as the outcome of external pressures. Jennifer Rankin (2020, March 31) reports the latest case of injustice to the EU from Brussels. She reports about the response of the European parliament’s liberal group who said on Monday (March 30) that “Hungary’s emergency law is ‘incompatible with being in the EU’. Measures voted on Monday will allow Viktor Orbán to rule by decree and without time limits”.

The other force, which might threaten the survival of the EU, turns out to be the absence of a stabilising power. For the most part Germany has provided a rock on which the EU could fasten its survival potential and achieve the stability expected from an international system with the potential to provide hegemonic power. A strong influence over the rules governing the system is assumed to be taken on by Germany, which will make the EU more crisis-resilient. The stability and growth pact of the EU contains rules that may prevent fiscal policies in its Member states that may be heading in potentially challenging directions.

Finally, during the last financial crisis (2008), substantial work has been undertaken in the EU and internationally to strengthen the ability to respond to distress in the financial system. A new set of management tools has been made available to the authorities. Such tools include "bank resolution" tools, which allow authorities to resolve failing banks without taxpayers' support.

References

Bierschenk, B., & Lienert, G. (1977). *Simple methods for clustering profiles and learning curves* (Didakometry, No. 56). Malmö: School of Education. PsycLIT AN: 1978-20158-001

Bierschenk, B., & Bierschenk, I. (Book-Project, 2005, November 22). Shapes of mind: Textual embodiment and thermodynamic description. (Unpublished manuscript)

Bierschenk, B. (2011). Functional text geometry: The essentials of Perspective Text Analysis. *Cognitive Science Research*, 101. Copenhagen University & Lund University.

Bierschenk, I. (1999/2003). The essence of text. A dialogue on Perspective Text Analysis. *Cognitive Science Research,* 70. Copenhagen: Copenhagen University, Copenhagen Competence Research Centre & Lund University: Department of Psychology. (ERIC Document Reproduction Service, No. ED 430 053, TM 029 798)

Bierschenk, I., & Bierschenk, B. (2011). Perspective Text Analysis: Tutorial to Vertex. *Cognitive Science Research*, 100. Copenhagen University & Lund University.

Connes, A. (1994). *Noncommutative geometry*. New York: Academic Press.

Dehousse, F. (2018, October 03). Decline of institutions' moral standards threatens EU. Liege

De Marco, D. (2004). The Virtue of Uprightness. *Lay Witness. CERC Catholic Education Resource Center*

European Commission (Wikipedia, 2020, February, 26). *An economy that works for people. Working for social fairness and prosperity*.

European Convention on Human Rights. (Wikipedia, 2020, March 4).

European Strategy Centre (EPSC) Rethinking Strategic Autonomy in the Digital Age. EPSC Strategic Notes, 2019, July, Issue 30.

European Union (Wikipedia, 2020, March 15).

Glendon, M. A., Alford, W. P., & Pirsig, M. E. (2020, February 26). *Legal ethics. Encyclopaedia Britannica*

Greene, B. (1999). *The elegant universe. Superstrings, hidden dimensions, and the quest for the ultimate theory*. New York: W. W. Norton & Company.

Hestenes, D. (1994). Invariant body kinematics: I. Saccadic and compensatory eye movements. *Neural Networks, 7*, 65-77.

Hurtley, S., & Szuromi, P. (2004). This week in Science: A Superfluid Solid, *Science, 305*(5692), 1869.

Lamorey, N. A. (2011, January 3). A creature's plain perspective. https://myglance.wordpress.com/2011/01/03/the-immorality-of-disrespect/

MacMullen, R. (1988). Corruption and Decline of Rome. Amazon.com

Moral rights. (2020, January 09). https://en.wikipedia.org/wiki/Moral_rights

Moral Rights Model Concept (Ethic) - Knoow. https://knoow.net/en/economics-business/management/moral-rights-model-concept-ethic

Norheim, O. F. (2016, May 11). Ethical priority setting for universal health coverage: challenges in deciding upon fair distribution of health services. *BMC Med. 2016, Vol. 14, p. 75.*

Peace versus Justice: A False Dichotomy. Chapter II. The origin and development of Human rights in the global scenario.

Publish Lawyer. (2014, October 03). What are moral rights. *PublishLawyer.com*

Rankin, J. (2020, March 31). Hungary's emergency law 'incompatible with being in EU. Brussels.

Seife, C. (2001). Echoes of the Big Bang put theories in tune. *Science*, *292*(5518), 823.

SigmaPlot Version 13. 0 https://shodhganga.inflibnet.ac.in/bitstream/10603/6653/10/10_chapter%202.pdf from Systat Software, Inc., San José California USA,

Soto, de, A. (2017). Contemporary Issues in Conflict Resolution Spring/Summer 2017 Paper presented by *Katerina Mansour and Laura Riches*

Wales, D. J. (2003). *Energy landscapes: Applications to clusters, biomolecules and glasses.* Cambridge: Cambridge University Press.

Webber, D. (2018, December 17). The growing danger of EU disintegration. *INSEAD*

Weller, K. (2017, May 08). *How World War II led to Human rights laws*. https://eachother.org.uk/remember-world-war-ii-led-human-rights-laws

Wheeler, J. A. (1998). *Geons, black holes & quantum foam: A life in physics*. New York: Norton.

Wisdom, J. (2003). Swimming in spacetime: Motion by cyclic changes in body shape. *Science*, *299*(5614) 1865-1869.

Accepted May 15, 2020